
The Commonwealth of Massachusetts.

1917

ASSESSMENTS

FOR

INTEREST, SINKING FUNDS, SERIAL
BONDS, AND MAINTENANCE

OF THE

METROPOLITAN DISTRICTS.

ISSUED BY THE
TREASURER AND RECEIVER-GENERAL.



BOSTON:
WRIGHT & POTTER PRINTING CO., STATE PRINTERS,
32 DERNE STREET.
1917.

The Commonwealth of Massachusetts.

TREASURY DEPARTMENT, Sept. 1, 1917.

Under the provisions of chapter 526 of the Acts of 1911 the following computations for annual assessments for interest, sinking fund, serial bond payments and maintenance for 1917, to be paid by the cities and towns comprising the metropolitan district, are compiled and printed as a public document and herewith submitted.

There have been issued during the year 1917, on account of the metropolitan district, bonds to the amount of \$759,000, bearing interest at the rate of 4 per cent. and divided as follows:—

Metropolitan Parks Loan.

- \$4,000. Chapter 265, General Acts of 1916 (\$2,500), and Chapter 146, Resolves of 1916 (\$1,500), providing for further protection of the public health in the valley of the Neponset River. Bonds to the amount of \$105,500 have been issued to date for this purpose. The annual serial bonds and interest requirements shall be assessed and paid by the cities and towns of the metropolitan district.
- \$50,000. Chapter 439, Acts of 1911, an act relative to rebuilding existing bridges over Charles River. The annual serial bonds and interest requirements shall be assessed and paid by the cities and towns of the metropolitan district.

Metropolitan Parks Loan, Series Two (Parkways and Boulevards).

- \$200,000. Chapter 699, Acts of 1912, an act to provide for the purchase of land and construction of certain parkways and boulevards by the Metropolitan Park Commission; 50 per cent. to be paid by the cities and towns of the metropolitan district and 50 per cent. by the Commonwealth. Bonds to the amount of \$1,000,000 have been issued to date under the above act.
- \$20,000. Chapter 186, General Acts of 1916, an act to authorize the Metropolitan Park Commission to improve certain lands given to the Commonwealth by the town of Arlington; 50 per cent. to be paid by the cities and towns of the metropolitan district and 50 per cent. by the Commonwealth.

\$10,000. Chapter 237, General Acts of 1916, an act to enable the Metropolitan Park Commission to complete the construction of the Dedham Parkway; 50 per cent. to be paid by the cities and towns of the metropolitan district and 50 per cent. by the Commonwealth.

Metropolitan Sewerage Loan, North System.

\$285,000. Chapter 159, General Acts of 1916, an act to provide for the addition of the town of Reading to the north metropolitan sewerage district. The annual serial bonds and interest requirements shall be assessed and paid by the metropolitan district, north system. The town of Reading shall, in addition to the yearly payment of the regular assessments for serial bonds and interest requirements, pay into the treasury of the Commonwealth for the sinking fund of the north metropolitan sewerage district the sum of \$35,000, as follows: one-fifth of said amount shall be added to the yearly sum payable by said town on account of its share of the interest and sinking fund requirements of the district for the succeeding five years.

Metropolitan Sewerage Loan, South System.

\$40,000. Chapter 93, General Acts of 1916, an act to authorize the Metropolitan Water and Sewerage Board to make improvements at the Ward Street pumping station in the city of Boston. The annual serial bonds and interest requirements shall be assessed and paid by the metropolitan district, south system.

Metropolitan Water Loan.

\$150,000. Chapter 172, General Acts of 1916, an act to authorize the Metropolitan Water and Sewerage Board to make certain improvements in the metropolitan water system. The annual serial bonds and interest requirements shall be assessed and paid by the cities and towns of the metropolitan water district.

CHARLES L. BURRILL,

Treasurer and Receiver-General.

Total Assessments for Metropolitan Districts for 1917.

CITIES AND TOWNS.	Metropolitan Water.	Metropolitan Parks and Boulevards.	Metropolitan Sewerage, North and South Systems.	Charles River Basin.	Total.
Arlington, . . .	\$20,544 00	\$11,862 66	\$16,274 29N	\$1,789 54	\$50,470 49
Belmont, . . .	11,132 99	7,189 54	10,493 59N	1,062 11	29,878 23
Boston, . . .	1,752,004 76	775,829 27	{ 86,378 26N 235,799 31S }	219,919 87	3,069,931 47
Braintree, . . .	—	4,864 27	—	849 12	5,713 39
Brookline, . . .	—	65,011 55	98,199 48S	15,585 81	178,796 84
Cambridge, . . .	—	72,469 54	119,189 91N	38,546 58	230,206 03
Canton, . . .	—	3,515 41	—	666 58	4,181 99
Chelsea, . . .	55,819 61	18,856 25	32,918 90N	2,953 98	110,548 74
Cohasset, . . .	—	306 53	—	—	306 53
Dedham, . . .	—	7,850 21	11,858 16S	1,557 20	21,265 57
Dover, . . .	—	2,963 00	—	735 73	3,698 73
Everett, . . .	54,125 31	18,878 00	34,098 01N	3,225 03	110,326 35
Hingham, . . .	—	4,489 63	—	940 40	5,430 03
Hull, . . .	—	3,498 10	—	815 94	4,314 04
Lexington, . . .	9,357 91	—	5,617 61N	—	14,975 52
Lynn, . . .	—	50,862 90	—	8,961 49	59,824 39
Malden, . . .	51,636 95	29,681 75	45,105 54N	4,569 25	130,993 49
Medford, . . .	33,666 75	21,210 67	29,056 20N	2,962 27	86,895 89
Melrose, . . .	18,835 83	10,464 99	17,657 22N	1,974 84	48,932 88
Milton, . . .	18,284 15	15,365 56	21,585 77S	3,650 98	58,886 46
Nahant, . . .	5,539 95	6,007 03	—	1,518 48	13,065 46
Needham, . . .	—	4,424 51	—	862 96	5,287 47
Newton, . . .	6,523 29	43,668 93	62,161 76S	8,991 92	121,345 90
Quincy, . . .	59,042 03	26,113 47	35,572 23S	3,667 58	124,395 31
Reading, . . .	—	—	12,051 52N	—	12,051 52
Revere, . . .	31,688 52	12,216 63	22,591 16N	2,052 29	68,548 60
Saugus, . . .	—	4,306 41	—	661 05	4,967 46
Somerville, . . .	118,425 67	47,509 05	74,814 24N	7,335 15	248,084 11
Stoneham, . . .	8,614 63	4,127 06	6,121 29N	550 41	19,413 39
Swampscott, . . .	12,460 26	7,983 03	—	1,764 64	22,207 93
Wakefield, . . .	—	6,650 59	11,819 32N	1,158 91	19,628 82
Waltham, . . .	—	17,745 37	26,182 68S	3,277 58	47,205 63
Watertown, . . .	24,045 68	10,580 13	16,825 40S	2,021 87	53,473 08
Wellesley, . . .	—	8,716 51	17,693 81S	1,999 74	28,410 06
Weston, . . .	—	5,542 47	—	1,145 08	6,687 55
Westwood, . . .	—	2,039 73	—	470 21	2,509 94
Weymouth, . . .	—	6,520 56	—	1,070 40	7,590 96
Winchester, . . .	—	8,497 74	14,946 29N	1,775 71	25,219 74
Winthrop, . . .	16,564 45	8,800 43	14,162 24N	1,728 68	41,255 80
Woburn, . . .	—	7,767 29	14,486 46N	1,286 14	23,539 89
	\$2,308,312 74	\$1,364,386 77 ¹	\$1,093,660 65 ²	\$354,105 52 ³	\$5,120,465 68

N, North System.

S, South System.

¹ Includes \$36,957.46, special assessments for Alewife Brook, Neponset Bridge, Newton-Weston Bridge and Wellington Bridge.² Includes \$18,165.23, special assessments on Everett and Malden, Reading, Revere and Wellesley.³ Includes \$51,519.70, special assessments on Boston and Cambridge, and \$25,996.46, embankment interest on Boston.

STATEMENT I.

METROPOLITAN WATER DISTRICT.

Total Water Debt, April 1, 1917.

Gross water debt, April 1, 1917:—

Bonds outstanding (sinking fund),	\$41,398,000 00
Bonds outstanding (serial), :	1,250,000 00
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	\$42,648,000 00

an increase for the year of \$118,000.

Sinking fund, April 1, 1917,	13,395,706 65
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an increase for the year of \$743,781.99.

Net water debt, April 1, 1917,	\$29,252,293 35
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a decrease for the year of \$625,781.99.

Total Water Assessment for 1917.

Sinking fund requirements,	\$260,500 34
Serial bonds,	\$37,000 00
Less premium,	1,260 00
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	35,740 00

Interest:—

One year on \$41,398,000,	\$1,393,435 00
Six months on \$1,132,000,	21,777 50
Six months on \$1,250,000,	24,162 50
Interest on advances and temporary loans, estimated, 1917,	30,000 00
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	\$1,469,375 00

Less accrued interest, \$683 33

Adjustment of interest charges in

1916, 4,533 52

5,216 85

1,464,158 15

Maintenance as appropriated by Legislature, \$572,900 00

Less balance on hand, 24,985 75

547,914 25

Total water assessment for 1917, \$2,308,312 74

METROPOLITAN WATER LOAN.

Sinking Fund.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1916.	Amount of Dec. 1, 1916, Sinking Fund at Maturity of Loan, Accumu- lations reckoned at 4 Per Cent.	Balance to be sunk.	Sinking Fund Re- quirements for 1917.
\$13,000,000	July, 1935	\$5,510,539 05	\$11,465,696 30	\$1,534,303 70	\$59,608 25
4,000,000	Jan. 1938	1,445,186 10	3,319,945 73	680,054 27	21,178 88
4,000,000	July, 1939	1,266,213 91	3,086,844 86	913,155 14	26,539 60
10,000,000	Jan. 1941	2,747,114 44	7,106,978 31	2,893,021 69	73,643 91
3,500,000	Jan. 1942	907,357 94	2,442,233 74	1,057,766 26	25,262 50
2,000,000	Jan. 1943	463,993 31	1,299,333 52	700,666 48	15,723 20
2,000,000	Jan. 1944	424,399 43	1,236,471 35	763,528 65	16,120 81
650,000	Jan. 1945	158,248 69	479,677 92	170,322 08	3,387 71
1,350,000	Jan. 1946	245,978 78	775,724 66	574,275 34	10,772 87
398,000	Jan. 1949	49,470 03	175,692 47	222,307 53	3,519 98
500,000	Jan. 1950	49,697 68	183,631 61	316,368 39	4,742 63
\$41,398,000	—	\$13,268,199 36	\$31,572,230 47	\$9,825,769 53	\$260,500 34

Computations for Determining the Assessment for 1917. (See Chapter 488, Acts of 1895, as amended in 1901, 1904 and 1906.)

[The proportion to be paid by each city and town is based as follows: One-third in proportion to their respective valuations for the preceding year, and the remaining two-thirds in proportion to the consumption by the cities and towns, respectively, in the preceding year. The last column shows the total ratio to be paid by each city and town of the whole assessment. To find each city's and town's assessment, multiply the total assessment by the average ratio.]

CITIES AND TOWNS.	Valuation, 1916.	Average Daily Con- sumption (Gallons), 1916.	RATIO OF TOTALS.		Average Ratio, Double Weight to Consump- tion.
			Valuation.	Consump- tion.	
Arlington,	\$19,475,132	929,400	.009220	.008740	.008900
Belmont,	12,775,228	447,800	.006048	.004211	.004823
Boston,	1,617,137,679	80,358,800	.765605	.755694	.758998
Chelsea,	31,233,160	3,070,900	.014787	.028879	.024182
Everett,	33,718,950	2,891,400	.015963	.027191	.023448
Lexington,	10,218,746	389,400	.004838	.003662	.004054
Malden,	44,012,091	2,460,200	.020837	.023136	.022370
Medford,	33,343,250	1,487,000	.015786	.013984	.014585
Melrose,	20,647,150	781,800	.009775	.007352	.008160
Milton,	35,438,639	371,300	.016778	.003492	.007921
Nahant,	8,890,028	159,000	.004209	.001495	.002400
Newton, ¹	17,909,212	—	.008479	—	.002826
Quincy,	62,789,130	2,499,400	.029726	.023504	.025578
Revere,	23,772,950	1,591,200	.011255	.014964	.013728
Somerville,	79,445,729	6,183,600	.037612	.058150	.051304
Stoneham,	6,249,645	437,900	.002959	.004118	.003732
Swampscott,	16,517,900	445,400	.007820	.004188	.005398
Watertown,	21,301,892	1,125,500	.010085	.010584	.010417
Winthrop,	17,359,050	707,800	.008218	.006656	.007176
	\$2,112,235,561	106,337,800	1.000000	1.000000	1.000000

¹ In accordance with the provisions of the act above referred to, but one-fifth of the total valuation and no consumption has been taken, for at present this city has a sufficient supply, and has not made application for water.

METROPOLITAN WATER LOAN.

Division of Assessment for 1917.

CITIES AND TOWNS.	Interest.	Sinking Funds.	Cost of Maintenance.	Serial Bonds.	Total Assessment.
Arlington, . . .	\$13,031 01	\$2,318 46	\$4,876 44	\$318 09	\$20,544 00
Belmont, . . .	7,061 63	1,256 39	2,642 59	172 38	11,132 99
Boston, . . .	1,111,293 11	197,719 24	415,865 82	27,126 59	1,752,004 76
Chelsea, . . .	35,406 27	6,299 42	13,249 66	864 26	55,819 61
Everett, . . .	34,331 58	6,108 21	12,847 49	838 03	54,125 31
Lexington, . . .	5,935 70	1,056 07	2,221 25	144 89	9,357 91
Malden, . . .	32,753 22	5,827 39	12,256 84	799 50	51,636 95
Medford, . . .	21,354 75	3,799 40	7,991 33	521 27	33,666 75
Melrose, . . .	11,947 53	2,125 68	4,470 98	291 64	18,835 83
Milton, . . .	11,597 60	2,063 42	4,340 03	283 10	18,284 15
Nahant, . . .	3,513 98	625 20	1,314 99	85 78	5,539 95
Newton, . . .	4,137 71	736 17	1,548 41	101 00	6,523 29
Quincy, . . .	37,450 24	6,663 08	14,014 55	914 16	59,042 03
Revere, . . .	20,099 96	3,576 15	7,521 77	490 64	31,688 52
Somerville, . . .	75,117 17	13,364 71	28,110 19	1,833 60	118,425 67
Stoneham, . . .	5,464 24	972 19	2,044 82	133 38	8,614 63
Swampscott, . . .	7,903 52	1,406 18	2,957 64	192 92	12,460 26
Watertown, . . .	15,252 13	2,713 63	5,707 62	372 30	24,045 68
Winthrop, . . .	10,506 80	1,869 35	3,931 83	256 47	16,564 45
	\$1,464,158 15	\$260,500 34	\$547,914 25	\$35,740 00	\$2,308,312 74

Comparison of Total Assessments, 1916 and 1917, with Revenue from Water Rates in 1916.

CITIES AND TOWNS.	WATER ASSESSMENTS.		Water Revenue received by Cities and Towns, 1916.
	1916.	1917.	
Arlington,	\$18,118 96	\$20,544 00	\$66,043 77 ¹
Belmont,	10,143 81	11,132 99	29,123 51 ¹
Boston,	1,669,432 79	1,752,004 76	3,109,349 21 ²
Chelsea,	52,114 06	55,819 61	121,812 10
Everett,	48,779 28	54,125 31	112,689 89 ¹
Lexington,	8,698 76	9,357 91	23,940 11
Malden,	47,323 31	51,636 95	112,998 73 ²
Medford,	28,997 29	33,666 75	81,262 05 ¹
Melrose,	18,936 29	18,835 83	49,338 50 ¹
Milton,	16,874 40	18,284 15	46,083 98
Nahant,	5,324 75	5,539 95	7,047 83 ³
Newton,	6,183 51 ⁴	6,523 29 ⁴	— ⁴
Quincy,	51,468 91	59,042 03	161,830 14 ²
Revere,	29,548 74	31,688 52	89,223 54 ¹
Somerville,	110,468 29	118,425 67	248,427 29
Stoneham,	7,506 52	8,614 63	24,802 76 ²
Swampscott,	11,937 62	12,460 26	47,380 35
Watertown,	21,708 75	24,045 68	86,771 91 ¹
Winthrop,	16,026 55	16,564 45	48,767 21 ³
	\$2,179,592 59	\$2,308,312 74	\$4,466,892 88

¹ No money received for hydrant rentals or water used for street watering.

² No money received for hydrant rentals or water used for street watering and other municipal purposes.

³ No money received for water used for street watering.

⁴ Not taking water from the district.

Net Water Debt of Cities of the Original Metropolitan Water District.

CITIES.	Jan. 1, 1916.	Jan. 1, 1917.	Decrease.
Boston,	\$400,000 00	\$384,000 00	\$16,000 00
Somerville,	21,000 00	16,000 00	5,000 00
Chelsea,	101,414 00	84,005 00	17,409 00
Everett,	46,083 18	38,017 41	8,065 77
Malden,	30,080 11	24,581 85	5,498 26
Medford, ¹	—7,336 40	—6,981 29	—355 11 ²
Melrose,	89,875 79	91,956 70	2,080 91 ²
	\$681,116 68	\$631,579 67	\$49,537 01

¹ Amount in sinking fund greater than outstanding debt.

² Increase.

STATEMENT II.

METROPOLITAN PARKS DISTRICT.

Gross parks debt, April 1, 1917:—

Bonds outstanding (sinking fund),	\$9,485,000 00	
Bonds outstanding (serial),	272,750 00	
	<hr/>	\$9,757,750 00

an increase for the year of \$36,750.

Sinking fund, April 1, 1917,	3,297,605 22	
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an increase for the year of \$174,623.77.

Net parks debt, April 1, 1917,	\$6,460,144 78	
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a decrease for the year of \$137,873.77.

BOULEVARDS.

Gross parks, series two (boulevards), debt, April 1, 1917:—

Bonds outstanding (sinking fund) (one-half),	\$2,567,500 00	
Bonds outstanding (serial) (one-half),	536,000 00	
Bonds outstanding (serial), 78.75 per cent. (chapter 276, General Acts, 1915),	72,450 00	
Bonds outstanding (serial), 78.75 per cent. (chapter 300, General Acts, 1915),	259,875 00	
	<hr/>	\$3,435,825 00

an increase for the year of \$81,193.75.

Sinking fund, April 1, 1917,	\$47,088 15	
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an increase for the year of \$45,625.52.

Net parks, series two (boulevards), debt, April 1, 1917,	\$2,588,736 85	
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an increase for the year of \$35,568.23.

METROPOLITAN PARKS LOAN.

Total parks assessment for 1917 is made up as follows:—

Parks sinking fund,	\$55,708 97	
Parks, series two, sinking fund,	13,726 00	
Nantasket sinking fund,	3,625 85	
Parks, serial bonds,	\$20,250 00	
Less premium,	453 60	
	<hr/>	19,796 40
Parks, series two, serial bonds,	\$27,193 75	
Less premium,	966 00	
	<hr/>	26,227 75
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Amount carried forward,	\$119,084 97	
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<i>Amount brought forward,</i>		\$119,084 97	
Parks interest: —			
One year on \$8,785,000,	\$301,225 00		
Six months on \$211,000,	4,090 00		
Six months on \$250,750,	4,891 88		
Interest on advances and temporary loans, estimated, 1917,	10,000 00		
Adjustment of interest charges in 1916,	1,992 13		
		\$322,199 01	
Less accrued interest,		245 97	
			321,953 04
Parks, series two, interest: —			
One year on \$2,567,500,	\$87,737 50		
Six months on \$526,368.75,	10,527 37		
Six months on \$625,675,	12,513 50		
Interest on advances and temporary loans, estimated, 1917,	2,000 00		
		\$112,778 37	
Accrued interest,	\$523 89		
Adjustment of interest charges in 1916,	11,661 46		
		12,185 35	
			100,593 02
Nantasket interest: —			
One year on \$700,000,			21,000 00
Parks maintenance as appropriated by Legislature,			
	\$584,091 20		
Less balance on hand,	27,938 54		
			556,152 66
Boulevards maintenance, one-half,	\$162,101 77		
Less balance on hand, one-half,	1,649 48		
			160,452 29
Nantasket maintenance,	\$45,361 65		
Less balance on hand,	2 65		
			45,359 00
Wellington Bridge maintenance, one-quarter,	\$2,944 65		
Less balance on hand, one-quarter,	110 32		
			2,834 33
Total parks assessment for 1917,			\$1,327,429 31

METROPOLITAN PARKS, INCLUDING BOULEVARDS, WELLINGTON BRIDGE
AND NANTASKET.

Total Assessments and Grand Total.

CITIES AND TOWNS.	Total Sinking Fund.	Total Interest.	Total Mainte- nance.	Total Serial Bonds.	Grand Total.
Arlington,	\$472 60	\$2,869 12	\$5,769 99	\$297 77	\$9,409 48
Belmont,	280 48	1,702 80	3,291 85	176 74	5,451 87
Boston,	44,410 61	269,615 71	427,100 73	27,982 22	769,109 27
Braintree,	224 27	1,361 48	3,137 22	141 30	4,864 27
Brookline,	4,116 07	24,988 57	33,313 45	2,593 46	65,011 55
Cambridge,	3,376 88	20,500 94	41,659 89	2,127 70	67,665 41
Canton,	176 04	1,068 74	2,159 71	110 92	3,515 41
Chelsea,	780 10	4,736 02	12,848 59	491 54	18,856 25
Cohasset,	15 88	91 98	198 67	—	306 53
Dedham,	411 26	2,496 75	4,683 09	259 11	7,850 21
Dover,	194 31	1,179 63	1,466 63	122 43	2,963 00
Everett,	851 72	5,170 69	12,318 94	536 65	18,878 00
Hingham,	248 34	1,507 64	2,577 16	156 49	4,489 63
Hull,	215 49	1,308 25	1,838 59	135 77	3,498 10
Lynn,	2,366 66	14,367 95	32,637 11	1,491 18	50,862 90
Malden,	1,206 67	7,325 70	16,651 82	760 32	25,944 51
Medford,	782 34	4,749 54	10,586 19	492 92	16,610 99
Melrose,	521 50	3,166 07	6,448 80	328 62	10,464 99
Milton,	964 18	5,853 55	7,940 31	607 52	15,365 56
Nahant,	401 03	2,434 65	2,918 68	252 67	6,007 03
Needham,	227 92	1,383 65	2,669 35	143 59	4,424 51
Newton,	2,374 70	14,416 74	23,411 24	1,496 25	41,698 93
Quincy,	968 57	5,880 16	13,614 46	610 28	21,073 47
Revere,	542 00	3,290 48	8,042 65	341 50	12,216 63
Saugus,	174 58	1,059 87	2,961 97	109 99	4,306 41
Somerville,	1,937 13	11,760 32	28,202 18	1,220 56	43,120 19
Stoneham,	145 35	882 45	2,288 98	91 58	3,468 36
Swampscott,	466 01	2,829 19	4,394 20	293 63	7,983 03
Wakefield,	306 05	1,858 03	4,293 67	192 84	6,650 59
Waltham,	865 58	5,254 97	11,079 43	545 39	17,745 37
Watertown,	533 97	3,241 69	6,468 04	336 43	10,580 13
Wellesley,	528 13	3,206 21	4,649 41	332 76	8,716 51
Weston,	302 41	1,835 85	2,425 67	190 54	4,754 47
Westwood,	124 20	754 03	1,083 26	78 24	2,039 73
Weymouth,	282 67	1,716 10	4,343 68	178 11	6,520 56
Winchester,	468 91	2,846 94	4,886 39	295 47	8,497 74
Winthrop,	450 52	2,771 54	5,284 72	287 65	8,800 43
Woburn,	339 66	2,062 06	5,151 56	214 01	7,767 29
	\$73,060 82	\$443,540 06	\$764,798 28	\$46,024 15	\$1,327,429 31 ¹

¹ Exclusive of \$36,957.46, special assessments for Alewife Brook, Neponset Bridge, Newton-Weston Bridge and Wellington Bridge.

METROPOLITAN PARKS.

Proportions to be paid annually, 1915 to 1920, as found by Commissioners.

CITIES AND TOWNS.	Parks (excepting Maintenance) and Boulevards.	Parks Maintenance.	Nantasket.
Arlington,00647	.00795	.00644
Belmont,00384	.00448	.00382
Boston,60799	.54008	.60533
Braintree,00307	.00449	.00306
Brookline,05635	.03878	.05610
Cambridge,04623	.05758	.04603
Canton,00241	.00298	.00240
Chelsea,01068	.01910	.01063
Cohasset,	—	—	.00438
Dedham,00563	.00631	.00561
Dover,00266	.00164	.00265
Everett,01166	.01778	.01161
Hingham,00340	.00336	.00338
Hull,00295	.00220	.00294
Lynn,03240	.04654	.03226
Malden,01652	.02375	.01644
Medford,01071	.01502	.01067
Melrose,00714	.00892	.00710
Milton,01320	.00933	.01314
Nahant,00549	.00319	.00547
Needham,00312	.00363	.00311
Newton,03251	.02991	.03237
Quincy,01326	.01951	.01320
Revere,00742	.01168	.00739
Saugus,00239	.00443	.00238
Somerville,02652	.04077	.02640
Stoneham,00199	.00337	.00198
Swampscott,00638	.00551	.00635
Wakefield,00419	.00615	.00417
Waltham,01185	.01548	.01180
Watertown,00731	.00889	.00728
Wellesley,00723	.00565	.00720
Weston,00414	.00281	.00412
Westwood,00179	.00131	.00170
Weymouth,00387	.00636	.00385
Winchester,00642	.00638	.00639
Winthrop,00625	.00716	.00622
Woburn,00465	.00752	.00463
	1.00000	1.00000	1.00000

METROPOLITAN PARKS LOAN.

Sinking Fund.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1916.	Amount of Dec. 1, 1916, Sinking Fund at Maturity of Loan, Accumulations reckoned at 4 Per Cent.	Balance to be provided for.	Sinking Fund Re- quirements for 1917.
\$125,000	Jan., 1928	\$44,828 14	\$69,303 39	\$55,696 61	\$4,121 29
1,300,000	Jan., 1934	555,621 74	1,089,394 21	210,605 79	8,856 75
2,000,000	Jan., 1936	782,533 00	1,660,768 82	339,231 18	12,211 48
1,400,000	Jan., 1937	524,547 17	1,158,220 94	241,779 06	8,085 72
1,000,000	July, 1938	355,812 82	833,736 80	166,263 20	5,177 92
505,000	July, 1939	170,882 08	416,585 59	88,414 41	2,569 64
650,000	Jan., 1941	243,056 45	628,804 13	21,195 87	539 55
125,000	Jan., 1943	30,319 99	54,905 92	40,094 08	899 72
340,000	July, 1943	86,199 95	246,215 90	93,784 10	2,104 54
300,000	Jan., 1944	64,421 06	187,688 27	112,311 73	2,371 30
370,000	Jan., 1945	69,401 67	210,367 92	159,632 08	3,175 09
300,000	Jan., 1946	55,368 19	174,610 47	125,389 53	2,352 19
300,000	Jan., 1947	46,232 08	151,688 87	148,311 13	2,626 78
70,000	Jan., 1949	8,737 92	31,032 66	38,967 34	617 00
\$8,785,000	-	\$3,037,962 26	\$6,943,323 89	\$1,841,676 11	\$55,708 97

Nantasket.

\$600,000	July, 1939	\$204,666 65	\$498,947 44	\$101,052 56	\$2,936 95
100,000	Jan., 1941	28,192 99	72,937 24	27,062 76	688 90
\$700,000	-	\$232,859 64	\$571,884 68	\$128,115 32	\$3,625 85

METROPOLITAN PARKS LOAN, SERIES TWO.

Sinking Fund.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1916.	Amount of Dec. 1, 1916, Sinking Fund at Maturity of Loan, Accumulations reckoned at 4 Per Cent.	Balance to be provided for.	Sinking Fund Re- quirements for 1917.
\$250,000	Jan., 1934	\$115,198 61	\$225,867 15	\$24,132 85	\$1,014 00
300,000	Jan., 1936	126,759 75	269,022 06	30,977 94	1,115 00
500,000	Jan., 1937	202,447 63	447,012 39	52,987 61	1,772 00
50,000	July, 1938	19,263 33	45,137 63	4,862 37	151 00
250,000	July, 1939	92,387 78	225,227 93	24,772 07	719 00
225,000	Jan., 1940	66,098 69	164,361 75	60,638 25	1,647 00
162,500	July, 1940	54,377 64	137,920 37	24,579 63	667 00
55,000	Jan., 1943	14,192 07	39,742 45	15,257 55	342 00
150,000	July, 1943	35,105 49	100,273 03	49,726 97	1,115 00
150,000	Jan., 1944	33,959 12	98,938 59	51,061 41	1,078 00
150,000	Jan., 1945	29,314 98	88,858 55	61,141 45	1,216 00
150,000	Jan., 1946	24,078 46	75,931 42	74,065 58	1,389 00
150,000	Jan., 1947	23,890 17	78,384 38	71,615 62	1,268 00
25,000	Jan., 1949	2,889 14	10,260 76	14,739 24	233 00
\$2,567,500	-	\$839,962 86	\$2,006,941 46	\$560,558 54	\$13,726 00

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

Sinking Fund Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Nantasket.	Total.
Arlington, . . .	\$360 44	\$88 81	\$23 35	\$472 60
Belmont, . . .	213 92	52 71	13 85	280 48
Boston, . . .	33,870 50	8,345 27	2,194 84	44,410 61
Braintree, . . .	171 03	42 14	11 10	224 27
Brookline, . . .	3,139 20	773 46	203 41	4,116 07
Cambridge, . . .	2,575 43	634 55	166 90	3,376 88
Canton, . . .	134 26	33 08	8 70	176 04
Chelsea, . . .	594 97	146 59	38 54	780 10
Cohasset, . . .	—	—	15 88	15 88
Dedham, . . .	313 64	77 28	20 34	411 26
Dover, . . .	148 19	36 51	9 61	194 31
Everett, . . .	649 57	160 05	42 10	851 72
Hingham, . . .	189 41	46 67	12 26	248 34
Hull, . . .	164 34	40 49	10 66	215 49
Lynn, . . .	1,804 97	444 72	116 97	2,366 66
Malden, . . .	920 31	226 75	59 61	1,206 67
Medford, . . .	596 64	147 01	38 69	782 34
Melrose, . . .	397 76	98 00	25 74	521 50
Milton, . . .	735 36	181 18	47 64	964 18
Nahant, . . .	305 84	75 36	19 83	401 03
Needham, . . .	173 81	42 83	11 28	227 92
Newton, . . .	1,811 10	446 23	117 37	2,374 70
Quincy, . . .	738 70	182 01	47 86	968 57
Revere, . . .	413 36	101 85	26 79	542 00
Saugus, . . .	133 14	32 81	8 63	174 58
Somerville, . . .	1,477 40	364 01	95 72	1,937 13
Stoneham, . . .	110 86	27 31	7 18	145 35
Swampscott, . . .	355 42	87 57	23 02	466 01
Wakefield, . . .	233 42	57 51	15 12	306 05
Waltham, . . .	660 15	162 65	42 78	865 58
Watertown, . . .	407 23	100 34	26 40	533 97
Wellesley, . . .	402 78	99 24	26 11	528 13
Weston, . . .	230 64	56 83	14 94	302 41
Westwood, . . .	94 71	23 33	6 16	124 20
Weymouth, . . .	215 59	53 12	13 96	282 67
Winchester, . . .	357 65	88 12	23 17	468 94
Winthrop, . . .	348 18	85 79	22 55	456 52
Woburn, . . .	259 05	63 82	16 79	339 66
	\$55,708 97	\$13,726 00	\$3,625 85	\$73,060 82

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

Interest Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Nantasket.	Total.
Arlington, . . .	\$2,083 04	\$650 84	\$135 24	\$2,869 12
Belmont, . . .	1,236 30	386 28	80 22	1,702 80
Boston, . . .	195,744 23	61,159 55	12,711 93	269,615 71
Braintree, . . .	988 40	308 82	64 26	1,361 48
Brookline, . . .	18,142 05	5,668 42	1,178 10	24,988 57
Cambridge, . . .	14,883 89	4,650 42	966 63	20,500 94
Canton, . . .	775 91	242 43	50 40	1,068 74
Chelsea, . . .	3,438 46	1,074 33	223 23	4,736 02
Cohasset, . . .	—	—	91 98	91 98
Dedham, . . .	1,812 60	566 34	117 81	2,496 75
Dover, . . .	856 40	267 58	55 65	1,179 63
Everett, . . .	3,753 97	1,172 91	243 81	5,170 69
Hingham, . . .	1,094 64	342 02	70 98	1,507 64
Hull, . . .	949 76	296 75	61 74	1,308 25
Lynn, . . .	10,431 28	3,259 21	677 46	14,367 95
Malden, . . .	5,318 66	1,661 80	345 24	7,325 70
Medford, . . .	3,448 12	1,077 35	224 07	4,749 54
Melrose, . . .	2,298 74	718 23	149 10	3,166 07
Milton, . . .	4,249 78	1,327 83	275 94	5,853 55
Nahant, . . .	1,767 52	552 26	114 87	2,434 65
Needham, . . .	1,004 49	313 85	65 31	1,383 65
Newton, . . .	10,466 69	3,270 28	679 77	14,416 74
Quincy, . . .	4,269 10	1,333 86	277 20	5,880 16
Revere, . . .	2,388 89	746 40	155 19	3,290 48
Saugus, . . .	769 47	240 42	49 98	1,059 87
Somerville, . . .	8,538 19	2,667 73	554 40	11,760 32
Stonham, . . .	640 69	200 18	41 58	882 45
Swampscott, . . .	2,054 06	641 78	133 35	2,829 19
Wakefield, . . .	1,348 98	421 48	87 57	1,858 03
Waltham, . . .	3,815 14	1,192 03	247 80	5,254 97
Watertown, . . .	2,353 48	735 33	152 88	3,241 69
Wellesley, . . .	2,327 72	727 29	151 20	3,206 21
Weston, . . .	1,332 88	416 45	86 52	1,835 85
Westwood, . . .	547 32	171 01	35 70	754 03
Weymouth, . . .	1,245 96	389 29	80 85	1,716 10
Winchester, . . .	2,066 94	645 81	134 19	2,846 94
Winthrop, . . .	2,012 21	628 71	130 62	2,771 54
Woburn, . . .	1,497 08	467 75	97 23	2,062 06
	\$321,953 04	\$100,593 02	\$21,000 00	\$443,546 06

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS, WELLINGTON
BRIDGE AND NANTASKET.

Maintenance Requirements.

CITIES AND TOWNS.	Parks.	Wellington Bridge.	Nantasket.	Boulevards.	Total.
Arlington,	\$4,421 41	\$18 34	\$292 11	\$1,033 13	\$5,769 99
Belmont,	2,491 56	10 88	173 27	616 14	3,291 85
Boston,	300,366 93	1,723 25	27,457 16	97,553 39	427,100 73
Braintree,	2,497 13	8 70	133 80	492 59	3,137 22
Brookline,	21,567 60	159 72	2,544 64	9,041 49	33,313 45
Cambridge,	32,023 27	131 03	2,087 88	7,417 71	41,659 89
Canton,	1,657 33	6 83	108 86	336 69	2,159 71
Chelsea,	10,622 52	30 27	482 17	1,713 63	12,848 59
Cohasset,	—	—	198 67	—	198 67
Dedham,	3,509 32	15 96	254 46	903 35	4,683 09
Dover,	912 09	7 54	120 20	426 80	1,466 63
Everett,	9,888 40	33 05	526 62	1,870 87	12,318 94
Hingham,	1,868 67	9 64	153 31	545 54	2,577 16
Hull,	1,223 54	8 36	133 36	473 33	1,833 59
Lynn,	25,883 35	91 83	1,463 28	5,198 65	32,637 11
Malden,	13,208 63	46 82	745 70	2,650 67	16,651 82
Medford,	8,353 41	30 36	483 98	1,718 44	10,586 19
Melrose,	4,960 88	20 24	322 05	1,145 63	6,448 80
Milton,	5,188 91	37 41	596 02	2,117 97	7,940 31
Nahant,	1,774 13	15 56	248 11	880 88	2,918 68
Needham,	2,018 83	8 84	141 07	500 61	2,669 35
Newton,	16,634 53	92 14	1,468 27	5,216 30	23,411 24
Quincy,	10,850 54	37 58	598 74	2,127 60	13,614 46
Revere,	6,495 86	21 03	335 20	1,190 56	8,042 65
Saugus,	2,463 76	6 77	107 96	383 48	2,961 97
Somerville,	22,674 34	75 17	1,197 48	4,255 19	28,202 18
Stoneham,	1,874 23	5 64	89 81	319 30	2,288 98
Swampscott,	3,064 40	18 08	288 03	1,023 69	4,394 20
Wakefield,	3,420 34	11 88	189 15	672 30	4,293 67
Waltham,	8,609 24	33 59	535 24	1,901 36	11,079 43
Watertown,	4,944 20	20 72	330 21	1,172 91	6,468 04
Wellesley,	3,142 26	20 49	326 59	1,160 07	4,649 41
Weston,	1,562 79	11 73	186 88	664 27	2,425 67
Westwood,	728 56	4 82	77 11	272 77	1,083 26
Weymouth,	3,537 13	10 97	174 63	620 95	4,343 68
Winchester,	3,548 25	18 20	289 84	1,030 10	4,886 39
Winthrop,	3,982 05	17 71	282 13	1,092 83	5,284 72
Woburn,	4,182 27	13 18	210 01	746 10	5,151 56
	\$556,152 66	\$2,834 33	\$45,359 00	\$160,452 29	\$764,798 28

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS.

Serial Bond Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Total.
Arlington,	\$128 08	\$169 69	\$297 77
Belmont,	76 02	100 72	176 74
Boston,	12,036 01	15,946 21	27,982 22
Braintree,	60 78	80 52	141 30
Brookline,	1,115 53	1,477 93	2,593 46
Cambridge,	915 19	1,212 51	2,127 70
Canton,	47 71	63 21	110 92
Chelsea,	211 43	280 11	491 54
Dedham,	111 45	147 66	259 11
Dover,	52 66	69 77	122 43
Everett,	230 83	305 82	536 65
Hingham,	67 31	89 18	156 49
Hull,	58 40	77 37	135 77
Lynn,	641 40	849 78	1,491 18
Malden,	327 04	433 28	760 32
Medford,	212 02	280 90	492 92
Melrose,	141 35	187 27	328 62
Milton,	261 31	346 21	607 52
Nahant,	108 68	143 99	252 67
Needham,	61 76	81 83	143 59
Newton,	643 58	852 67	1,496 25
Quincy,	262 50	347 78	610 28
Revere,	146 89	194 61	341 50
Saugus,	47 31	62 68	109 99
Somerville,	525 00	695 56	1,220 56
Stoneham,	39 39	52 19	91 58
Swampscott,	126 30	167 33	293 63
Wakefield,	82 95	109 89	192 84
Waltham,	234 59	310 80	545 39
Watertown,	144 71	191 72	336 43
Wellesley,	143 13	189 63	332 76
Weston,	81 96	108 58	190 54
Westwood,	33 65	44 59	78 24
Weymouth,	76 61	101 50	178 11
Winchester,	127 09	168 38	295 47
Winthrop,	123 73	163 92	287 65
Woburn,	92 05	121 96	214 01
	\$19,796 40	\$26,227 75	\$46,024 15

NEPONSET BRIDGE.

Special Assessment.

[Chapter 300, General Acts of 1915.]

Bonds issued, 57½ per cent.,	\$201,250 00	
Previously assessed,	11,500 00	
Outstanding,	\$189,750 00	
Serial bonds due Jan. 1, 1918,	\$11,500 00
Interest: —						
One year on \$189,750,	\$7,590 00	
Six months on \$11,500,	230 00	
						7,820 00
						\$19,320 00

Assessment.

	Per Cent.	Serial Bonds.	Interest.	Total.
City of Boston,	20	\$4,000 00	\$2,720 00	\$6,720 00
City of Quincy,	15	3,000 00	2,040 00	5,040 00
County of Norfolk,	5	1,000 00	680 00	1,680 00
County of Plymouth,	2½	500 00	340 00	840 00
Bay State Street Railway Company, .	15	3,000 00	2,040 00	5,040 00
	57½	\$11,500 00	\$7,820 00	\$19,320 00

NEWTON-WESTON BRIDGE.

Special Assessment.

[Chapter 36S, Special Acts of 1915.]

Bonds issued, 50 per cent.,	\$25,000 00	
Previously assessed,	3,000 00	
Outstanding,	\$22,000 00	
Serial bonds due Jan. 1, 1918,		\$3,000 00
Interest: —		
One year on \$22,000,	\$880 00	
Six months on \$3,000,	60 00	
		940 00
		\$3,940 00

Assessment.

	Per Cent.	Serial Bonds.	Interest.	Total.
City of Newton,	25	\$1,500 00	\$470 00	\$1,970 00
Town of Weston,	10	600 00	188 00	788 00
County of Middlesex,	15	900 00	282 00	1,182 00
	50	\$3,000 00	\$940 00	\$3,940 00

WELLINGTON BRIDGE.

*Special Assessment.**Reconstruction.*

[Chapter 276, General Acts of 1915.]

Bonds issued, 57½ per cent.,	\$66,125 00	
Previously assessed,	13,225 00	
Outstanding,	\$52,900 00	
Serial bonds due Jan. 1, 1918,		\$6,612 50
Interest: —		
One year on \$52,900,	\$2,116 00	
Six months on \$6,612.50,	132 25	
		2,248 25
		\$8,860 75

Assessment.

[Chapter 276, General Acts of 1915.]

	Per Cent.	Serial Bonds.	Interest.	Total.
Malden,	13	\$1,495 00	\$508 30	\$2,003 30
Medford,	16	1,840 00	625 60	2,465 60
Somerville,	11	1,265 00	430 10	1,695 10
Stoneham,	2½	287 50	97 75	385 25
Boston Elevated Railway Company, .	15	1,725 00	586 50	2,311 50
	57½	\$6,612 50	\$2,248 25	\$8,860 75

Maintenance.

[Chapter 295, General Acts of 1916.]

CITIES AND TOWNS.	Per Cent.	Amount.
Malden,	15.2941	\$1,733 94
Medford,	18.8235	2,134 08
Somerville,	12.9412	1,467 18
Stoneham,	2.9412	333 45
	50.0000	\$5,668 65

ALEWIFE BROOK.

[Chapter 529 of the Acts of 1906, as amended by Chapter 529 of the Acts of 1907 and Chapter 458 of the Acts of 1911.]¹

CITIES AND TOWNS.	Assessment.	Interest.	Total.	Proportion of Total (Per Cent.).
Arlington,	\$1,636 79	\$816 39	\$2,453 18	24
Belmont,	1,159 39	578 28	1,737 67	17
Cambridge,	3,205 38	1,598 75	4,804 13	47
Somerville,	818 39	408 19	1,226 58	12
	\$6,819 95	\$3,401 61	\$10,221 56	100

¹ This table includes the seventh assessment and interest under chapters 529 of the Acts of 1906 and 1907, and the fourth assessment under chapter 458 of the Acts of 1911.

STATEMENT III.

METROPOLITAN SEWERAGE DISTRICT.

Debt, North System.

Gross sewerage, north system, debt, April 1, 1917:—

Bonds outstanding (sinking fund),	\$6,563,000 00	
Bonds outstanding (serial),	860,500 00	
	<hr/>	\$7,423,500 00

an increase for the year of \$266,500.

Sinking fund, April 1, 1917,	2,302,758 88	
	<hr/>	

an increase for the year of \$182,018.55.

Net sewerage, north system, debt, April 1, 1917,	\$5,120,741 12	
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an increase for the year of \$84,481.45.

Assessments, North System.

Sinking fund requirements,	\$114,807 52	
Serial bonds,	\$24,000 00	
Less premium,	2,394 00	
	<hr/>	21,606 00

Interest:—

One year on \$7,371,000,	\$234,775 00	
Four months on \$14,000,	186 67	
	<hr/>	\$234,961 67

Accrued interest, \$5,098 33

Adjustment of interest charges

in 1916, 2,857 58

7,955 91

227,005 76

Maintenance as appropriated by Legislature, \$209,000 00

Less balance on hand, 16,027 22

192,972 78

Total north metropolitan sewerage assessment, \$556,392 06

NORTH METROPOLITAN SEWERAGE DISTRICT.

Everett and Malden, Special Assessment (Chapter 512, Acts of 1911).

Bonds issued,	\$62,000 00	
Previously assessed,	14,000 00	
	<hr/>	

Outstanding, \$48,000 00

Assessment for 1917 is made up as follows:—

Serial bonds due Jan. 1, 1918,	\$2,000 00	
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Interest:—

One year on \$48,000, \$1,680 00

Four months on \$2,000, 23 33

1,703 33

\$3,703 33

Everett and Malden one-half each.

City of Revere, Special Assessment (Chapter 259, Acts of 1914).

Bonds issued,	\$5,500 00	
Previously assessed,	1,000 00	
		<hr/>
Outstanding,	\$4,500 00	
Assessment for 1917 is made up as follows:—		
Serial bond due Jan. 1, 1918,	\$500 00	
Interest:—		
One year on \$4,500,	\$180 00	
Four months on \$500,	6 66	
		<hr/>
	186 66	
		<hr/>
		\$686 66

METROPOLITAN SEWERAGE DISTRICT.

Debt, South System.

Gross sewerage, south system, debt, April 1, 1917:—

Bonds outstanding (sinking fund),	\$8,877,912 00	
Bonds outstanding (serial),	385,000 00	
		<hr/>
		\$9,262,912 00

an increase for the year of \$30,000.

Sinking fund, April 1, 1917,	1,339,442 11	
		<hr/>

an increase for the year of \$129,578.75.

Net sewerage, south system, debt, April 1, 1917,	\$7,923,469 89	
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a decrease for the year of \$99,578.75.

Assessments, South System.

Sinking fund requirements,		\$71,331 29
Serial bonds,	\$11,000 00	
Premium on serial bonds,	\$336 00	
Balance of 1916 premium,	1,274 80	
		<hr/>
	1,610 80	
		<hr/>
		9,389 20
Interest:—		
One year on \$9,262,912,	\$314,177 36	
Accrued interest,	\$715 55	
Adjustment of interest charges, in 1916,	4,233 58	
		<hr/>
	4,949 13	
		<hr/>
		309,228 23
Maintenance as appropriated by Legislature,	\$134,000 00	
Less balance on hand,	4,845 36	
		<hr/>
		129,154 64
		<hr/>
Total south metropolitan sewerage assessment,		\$519,103 36

METROPOLITAN SEWERAGE LOAN.

North System — Assessment.

CITIES AND TOWNS.	Sinking Fund.	Serial Bonds.	Interest.	Maintenance.	Total Assessment.
Arlington,	\$3,604 96	\$678 43	\$7,127 98	\$4,862 92	\$16,274 29
Belmont,	2,479 84	466 69	4,903 33	2,643 73	10,493 59
Boston,	16,406 00	3,087 50	32,439 12	34,445 64	86,378 26
Cambridge,	26,405 73	4,969 38	52,211 32	35,603 48	119,189 91
Chelsea,	5,912 59	1,112 71	11,690 80	14,202 80	32,918 90
Everett,	6,291 45	1,184 01	12,439 92	12,330 96	32,246 34
Lexington,	1,366 21	257 11	2,701 37	1,292 92	5,617 61
Malden,	8,610 56	1,620 45	17,025 43	15,997 44	43,253 88
Medford,	6,027 39	1,134 32	11,917 80	9,976 69	29,056 20
Melrose,	3,834 57	721 64	7,581 99	5,519 02	17,657 22
Reading, ¹	1,595 82	300 32	3,155 38	—	5,051 52
Revere,	4,316 76	812 38	8,535 42	8,239 94	21,904 50
Somerville,	14,660 92	2,759 09	28,988 64	28,405 59	74,814 24
Stoneham,	1,159 56	218 23	2,292 76	2,450 75	6,121 29
Wakefield,	2,410 96	453 73	4,767 12	4,187 51	11,819 32
Winchester,	3,685 32	693 55	7,286 88	3,280 54	14,946 29
Winthrop,	3,157 21	594 16	6,242 66	4,168 21	14,162 24
Woburn,	2,881 67	542 31	5,697 84	5,364 64	14,486 46
	\$114,807 52	\$21,606 00	\$227,005 76	\$192,972 78	\$556,392 06 ²

¹ Reading is also assessed \$7,000 for sinking fund requirements in accordance with section 5, chapter 159, General Acts of 1916.

² Exclusive of \$4,389.99, special assessments on Everett, Malden and Revere, which are included on page 5.

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM, SINKING FUND.

BONDS ISSUED AND AMOUNTS ALREADY PROVIDED FOR.	Due Dates.	Sinking Fund, Dec. 1, 1916.	Amount of Dec. 1, 1916, Sinking Fund at Maturity of Loan, Accumulations reckoned at 3¼ Per Cent.	Balance.	Portion of Balance to be provided for this Year.	Sinking Fund Requirements for 1917.
\$5,330,000 (2,798,250)	Jan., 1930	\$2,068,706 81	\$3,353,181 82	\$4,775,068 18	\$159,168 94	\$101,914 36
465,000 (226,625)	Jan., 1930	162,463 59	263,338 40	428,286 60	14,276 22	9,140 92
250,000 (47,917)	July, 1943	22,159 63	59,312 52	238,604 48	3,976 74	1,541 97
50,000 (9,583)	Jan., 1943	4,485 60	11,785 19	47,797 81	796 63	314 68
55,000 (10,542)	July, 1943	6,811 56	18,231 84	47,310 16	788 50	305 74
300,000 (30,000)	Jan., 1949	15,085 43	49,531 95	280,468 05	3,505 85	1,108 15
113,000 (10,986)	Jan., 1949	4,343 13	14,260 36	109,725 64	1,523 97	481 70
\$6,563,000 (3,133,903)	— Sunk.	\$2,284,055 75	\$3,769,642 08	\$5,927,260 92	\$184,036 85	\$114,807 52

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM.

Amounts provided for and to be provided for.

BONDS ISSUED.	Due Dates.	Amount provided for.	Amount to be provided for.	1917.
\$5,330,000	1930	$\frac{1}{8} + \frac{1}{6} + \frac{7}{30}$	$\frac{3}{30} + \frac{3}{5}$	$\frac{1}{30}$
265,000	1930	$\frac{70}{240} + \frac{7}{30}$	$\frac{3}{30} + \frac{3}{5}$	$\frac{1}{30}$
200,000	1930	$\frac{49}{240} + \frac{7}{30}$	$\frac{3}{30} + \frac{111}{240}$	$\frac{1}{30}$
300,000	1943	$\frac{1}{8} + \frac{3}{60}$	$\frac{6}{60} + \frac{1}{3} + \frac{3}{5}$	$\frac{1}{60}$
55,000	1943	$\frac{1}{8} + \frac{4}{60}$	$\frac{6}{60} + \frac{1}{3} + \frac{3}{5}$	$\frac{1}{60}$
300,000	1949	$\frac{8}{80}$	$\frac{2}{80} + \frac{1}{6} + \frac{1}{3} + \frac{3}{5}$	$\frac{8}{80}$
113,000	1949	$\frac{7}{72}$	$\frac{7}{72} + \frac{1}{6} + \frac{1}{3} + \frac{3}{5}$	$\frac{1}{72}$

NORTH METROPOLITAN SYSTEM.

Ratios of Contribution on the Basis of the Valuations of 1916 and the Census Returns of 1915. Assessments made by the Metropolitan Water and Sewerage Board.

CITIES AND TOWNS.	State Valuation, General Acts of 1916, Chapter 171.	Proportion for Interest and Sinking Funds (Per Cent.).	Population Massachusetts Census 1915.	Proportion for Maintenance and Operations (Per Cent.).
Arlington,	\$19,849,317	3.14	14,889	2.52
Belmont,	13,667,620	2.16	8,081	1.37
Boston:—				
Charlestown, }	90,335,800	14.29	105,281	17.85
East Boston, }				
Cambridge,	145,450,647	23.00	108,822	18.45
Chelsea,	32,562,957	5.15	43,426	7.36
Everett,	34,653,684	5.48	37,718	6.39
Lexington,	7,513,900 ¹	1.19	3,940 ²	0.67
Malden,	47,406,486	7.50	48,907	8.29
Medford,	33,214,921	5.25	30,509	5.17
Melrose,	21,109,262	3.34	16,880	2.86
Reading,	8,775,394	1.39	—	—
Revere,	23,812,667	3.76	25,178	4.27
Somerville,	80,729,831	12.77	86,854	14.72
Stonham,	6,389,965	1.01	7,489	1.27
Wakefield,	13,288,394	2.10	12,781	2.17
Winchester,	20,298,615	3.21	10,005	1.70
Winthrop,	17,378,910	2.75	12,758	2.16
Woburn,	15,899,337	2.54	16,410	2.78
	\$632,337,707	100.00	589,928	100.00

¹ 66.67 per cent. of the town valuation derived from figures certified by the clerk of the board of assessors.

² Population of Lexington sewerage district, certified by the clerk of the board of assessors.

METROPOLITAN SEWERAGE LOAN.

South System — Assessment.

CITIES AND TOWNS.	Sinking Fund.	Serial Bonds.	Interest.	Maintenance.	Total Assessment.
Boston,	\$30,080 41	\$3,959 42	\$130,401 54	\$71,357 94	\$235,799 31
Brookline,	16,035 27	2,110 69	69,514 50	10,539 02	98,199 48
Dedham,	1,533 62	201 87	0,648 41	3,474 26	11,858 16
Milton,	3,452 43	454 44	14,966 65	2,712 25	21,585 77
Newton,	8,887 88	1,169 89	38,529 84	13,574 15	62,161 76
Quincy,	4,165 75	548 33	18,058 93	12,799 22	35,572 23
Waltham,	3,052 98	401 86	13,234 97	9,492 87	26,182 68
Watertown,	2,125 67	279 80	9,215 00	5,204 93	16,825 40
Wellesley, ¹	1,997 28	262 90	8,658 39	—	10,918 57
	\$71,331 29	\$9,389 20	\$309,228 23	\$129,154 64	\$519,103 36

¹ Wellesley is also assessed \$6,775.24 for sinking fund requirements, in accordance with section 5, chapter 343, Acts of 1914.

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM, SINKING FUND.

BONDS ISSUED AND AMOUNTS ALREADY PROVIDED FOR.	Due Dates.	Sinking Fund, Dec. 1, 1916.	Amount of Dec. 1, 1916, Sinking Fund at Maturity of Loan, Accumulations reckoned at 4 Per Cent.	Balance.	Portion of Balance to be provided for this Year.	Sinking Fund Requirements for 1917.
\$800,000 (420,000)	Jan., 1930 Sunk.	\$309,810 86	\$518,443 10	\$701,556 90	\$23,385 23	\$14,539 10
839,000 (300,642)	Mar., 1935 Sunk.	188,397 75	384,310 18	755,331 82	25,177 73	12,841 35
65,000 (21,125)	Mar., 1936 Sunk.	12,872 98	27,320 30	58,804 70	1,960 16	960 91
1,024,912 (264,769)	July, 1939 Sunk.	145,096 74	353,724 69	935,956 31	15,599 27	6,657 28
3,586,000 (866,617)	July, 1940 Sunk.	451,825 87	1,145,985 60	3,306,631 40	55,110 52	22,606 15
996,000 (190,900)	Jan., 1943 Sunk.	89,597 47	250,902 31	935,997 69	15,599 96	5,795 82
392,000 (68,600)	July, 1944 Sunk.	29,868 84	88,762 14	371,837 86	6,197 30	2,169 66
175,000 (24,792)	Jan., 1946 Sunk.	17,179 92	54,179 01	145,612 99	2,426 88	800 64
1,000,000 (141,667)	Jan., 1946 Sunk.	75,951 09	239,521 20	902,145 80	15,035 76	4,960 38
\$8,877,912 (2,299,112)	— Sunk.	\$1,320,601 52	\$3,063,148 53	\$8,113,875 47	\$160,492 81	\$71,331 29

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM.

Amounts provided for and to be provided for.

BONDS ISSUED.	Due Dates.	Amount provided for.	Amount to be provided for.	1917.
\$800,000	1930	$\frac{1}{8} + \frac{1}{8} + \frac{7}{30}$	$\frac{3}{30} + \frac{1}{8}$	$\frac{1}{30}$
839,000	1935	$\frac{1}{8} + \frac{1}{8} + \frac{2}{30}$	$\frac{3}{30} + \frac{1}{8}$	$\frac{1}{30}$
65,000	1936	$\frac{1}{8} + \frac{1}{8} + \frac{1}{30}$	$\frac{3}{30} + \frac{1}{8}$	$\frac{1}{30}$
1,024,912	1939	$\frac{1}{8} + \frac{8}{60}$	$\frac{2}{60} + \frac{1}{8} + \frac{1}{8}$	$\frac{1}{60}$
3,586,000	1940	$\frac{1}{8} + \frac{7}{60}$	$\frac{3}{60} + \frac{1}{8} + \frac{1}{8}$	$\frac{1}{60}$
996,000	1943	$\frac{1}{8} + \frac{4}{60}$	$\frac{6}{60} + \frac{1}{8} + \frac{1}{8}$	$\frac{1}{60}$
392,000	1944	$\frac{1}{8} + \frac{3}{60}$	$\frac{7}{60} + \frac{1}{8} + \frac{1}{8}$	$\frac{1}{60}$
175,000	1946	$\frac{1}{8} + \frac{1}{60}$	$\frac{9}{60} + \frac{1}{8} + \frac{1}{8}$	$\frac{1}{60}$
1,000,000	1946	$\frac{1}{8} + \frac{1}{60}$	$\frac{9}{60} + \frac{1}{8} + \frac{1}{8}$	$\frac{1}{60}$

SOUTH METROPOLITAN SYSTEM.

Ratios of Contribution on the Basis of the Valuations of 1916 and the Census Returns of 1915. Assessments made by the Metropolitan Water and Sewerage Board.

CITIES AND TOWNS.	State Valuation, General Acts of 1916, Chapter 171.	Proportion for Interest and Sinking Funds (Per Cent.).	Population Massachusetts Census 1915.	Proportion for Maintenance and Operation (Per Cent.).
Waltham,	\$33,696,959	4.28	30,154	7.35
Watertown,	23,480,955	2.98	16,515	4.03
Newton,	98,091,454	12.46	43,113	10.51
Boston,	331,852,800	42.17	226,645	55.25
Brighton District, . .	\$57,167,700		34,782	
Back Bay District, . .	80,297,200		23,127	
Roxbury District, . .	52,109,100		51,588	
West Roxbury District, .	54,434,800		37,190	
Dorchester District, . .	68,406,500		62,002	
Hyde Park District, . .	19,437,500		17,950	
Brookline,	176,891,658	22.48	33,490	8.16
Dedham,	16,868,807 ¹	2.15	11,043	2.69
Milton,	38,117,803	4.84	8,600	2.10
Quincy,	45,960,081	5.84	40,674	9.91
Wellesley,	22,047,607	2.80		
	\$787,008,124	100.00	410,231	100.00

¹ 96.55 per cent. of the town valuation derived from figures certified by the chairman of the board of assessors.

METROPOLITAN PARKS AND SEWERAGE LOANS.

Comparison of Assessments, 1916 and 1917.

CITIES AND TOWNS.	PARKS.		SEWER.	
	1916.	1917.	1916.	1917.
Arlington, . .	\$11,645 87	\$11,862 66	\$14,903 84	\$16,274 29
Belmont, . .	7,250 67	7,189 54	9,705 02	10,493 59
Boston, . .	700,788 29	775,829 27	298,329 15	322,177 57
Braintree, . .	6,646 18	4,864 27	—	—
Brookline, . .	63,500 45	65,011 55	95,105 55	98,199 48
Cambridge, . .	63,833 41	72,469 54	109,283 75	119,189 91
Canton, . .	4,823 74	3,515 41	—	—
Chelsea, . .	18,423 30	18,856 25	29,394 67	32,918 90
Cohasset, . .	336 85	306 53	—	—
Dedham, . .	7,127 26	7,850 21	11,116 91	11,858 16
Dover, . .	3,435 33	2,963 00	—	—
Everett, . .	15,976 04	18,878 00	30,979 24	34,098 01
Hingham, . .	5,804 35	4,489 63	—	—
Hull, . .	4,457 36	3,498 10	—	—
Lexington, . .	—	—	5,194 42	5,617 61
Lynn, . .	51,063 57	50,862 90	—	—
Malden, . .	24,081 46	29,681 75	40,973 63	45,105 54
Medford, . .	13,317 65	21,210 67	26,427 50	29,056 20
Melrose, . .	8,183 80	10,464 99	16,153 54	17,657 22
Milton, . .	6,899 79	15,365 56	20,839 61	21,585 77
Nahant, . .	3,980 09	6,007 03	—	—
Needham, . .	4,858 75	4,424 51	—	—
Newton, . .	37,844 88	43,668 93	59,050 56	62,161 76
Quincy, . .	15,726 39	26,113 47	32,951 65	35,572 23
Reading, . .	— 169 73 ¹	—	—	12,051 52
Revere, . .	7,415 61	12,216 63	20,510 81	22,591 16
Saugus, . .	4,495 65	4,306 41	—	—
Somerville, . .	44,601 79	47,509 05	67,511 00	74,814 24
Stoneham, . .	3,716 80	4,127 06	5,486 60	6,121 29
Swampscott, . .	8,957 41	7,983 03	—	—
Wakefield, . .	6,741 68	6,650 59	10,720 06	11,819 32
Waltham, . .	17,037 41	17,745 37	24,241 78	26,182 68
Watertown, . .	11,194 58	10,580 13	15,727 66	16,825 40
Wellesley, . .	8,602 87	8,716 51	17,545 48	17,693 81
Weston, . .	5,129 93	5,542 47	—	—
Westwood, . .	2,770 89	2,039 73	—	—
Weymouth, . .	9,036 49	6,520 56	—	—
Winchester, . .	5,149 50	8,497 74	13,892 98	14,946 29
Winthrop, . .	9,646 95	8,800 43	12,998 10	14,162 24
Woburn, . .	7,527 81	7,767 29	13,112 39	14,486 46
	\$1,231,861 12	\$1,364,386 77	\$1,002,155 90	\$1,093,660 65

¹ Refund.

STATEMENT IV.

CHARLES RIVER BASIN LOAN.

Gross Charles River Basin debt, April 1, 1917:—

Bonds outstanding (sinking fund),	\$4,125,000 00	
Bonds outstanding (serial),	323,000 00	
	<hr/>	\$4,448,000 00

a decrease for the year of \$10,000.

Sinking fund, April 1, 1917,	\$92,480 11	
	<hr/>	

an increase for the year of \$65,914.68.

Net Charles River Basin debt, April 1, 1917,	\$3,555,519 89	
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a decrease for the year of \$75,914.68.

TOTAL CHARLES RIVER BASIN LOAN—ASSESSMENT FOR 1917.

District.

Serial bonds,		\$10,000 00	
Interest:—			
One year on \$4,125,000,	\$142,250 00		
Six months on \$333,000,	6,010 00		
Six months on \$323,000,	5,830 00		
Interest on advances and temporary loans estimated, 1917,	1,000 00		
Adjustment of interest charges, 1916,	1,136 95		
	<hr/>	\$156,226 95	
Less interest on bridge,		41,381 82	
		<hr/>	\$114,845 13
Maintenance as appropriated by Legislature,	\$154,680 00		
Less balance on hand,	2,935 77		
	<hr/>		151,744 23
Total Charles River Basin district assessment,			\$276,589 36

Charles River Bridge.

Sinking fund,	\$10,137 88	
Interest,	41,381 82	
	<hr/>	\$51,519 70

Boston and Cambridge, one-half each.

CHARLES RIVER BASIN LOAN SINKING FUND.

District.

BONDS ISSUED.	Due Dates.	Sinking Fund, Dec. 1, 1916.	Amount of Dec. 1, 1916, Sinking Fund at Ma- turity of Loan, Accu- mulations reckoned at 3¼ Per Cent.	Balance.	Sinking Fund Require- ments for 1917.
\$177,272 73	Jan., 1944	\$170,338 31	\$464,476 66	-	-
283,636 36	Jan., 1945	292,185 49	826,885 64	-	-
425,454 55	Jan., 1946	282,970 06	831,117 71	-	-
815,454 55	Jan., 1947	364,900 16	1,112,324 10	-	-
283,636 36	Jan., 1948	89,372 20	282,745 03	-	-
602,727 28	Jan., 1949	112,492 75	369,362 08	-	-
336,818 17	Jan., 1950	14,485 66	49,362 97	-	-
\$2,925,000 00	-	\$1,326,744 63 ¹	\$3,936,274 19	-	-

Boston and Cambridge, Charles River Bridge.

\$72,727 27	Jan., 1944	\$21,074 70	\$57,466 26	\$15,261 01	\$334 52
116,363 64	Jan., 1945	34,957 19	98,928 93	17,434 71	360 61
174,545 45	Jan., 1946	38,647 72	113,513 08	61,032 37	1,192 57
334,545 45	Jan., 1947	57,762 36	176,076 83	158,468 62	2,028 42
116,363 64	Jan., 1948	16,472 45	52,113 55	64,250 09	1,123 99
247,272 72	Jan., 1949	27,515 08	90,343 84	156,928 88	2,601 35
138,181 83	Jan., 1950	10,750 47	36,634 51	101,547 32	1,596 42
\$1,200,000 00	-	\$207,179 97	\$625,077 00	\$574,923 00	\$10,137 88

¹ Includes \$648,693.26, balance of cost of embankment which is due from city of Boston.

CHARLES RIVER BASIN LOAN.

Proportions to be paid annually, 1915 to 1920, as found by Commissioners.

CITIES AND TOWNS.	For Sinking Fund, Interest and Maintenance Requirements.
Arlington,00647
Belmont,00384
Boston,60799
Braintree,00307
Brookline,05635
Cambridge,04623
Canton,00241
Chelsea,01068
Dedham,00563
Dover,00266
Everett,01166
Hingham,00340
Hull,00295
Lynn,03240
Malden,01652
Medford,01071
Melrose,00714
Milton,01320
Nahant,00549
Needham,00312
Newton,03251
Quincy,01326
Revere,00742
Saugus,00239
Somerville,02652
Stoneham,00199
Swampscott,00638
Wakefield,00419
Waltham,01185
Watertown,00731
Wellesley,00723
Weston,00414
Westwood,00170
Weymouth,00387
Winchester,00642
Winthrop,00625
Woburn,00465
	1.00000

CHARLES RIVER BASIN LOAN — ASSESSMENT.

CITIES AND TOWNS.	Interest Re- quirements.	Cost of Maintenance.	Serial Bonds.	Total Assessment.
Arlington, . . .	\$743 05	\$981 79	\$64 70	\$1,789 54
Belmont, . . .	441 01	582 70	38 40	1,062 11
Boston, . . .	69,824 69	92,258 97	6,079 90	168,163 56
Braintree, . . .	352 57	465 85	30 70	849 12
Brookline, . . .	6,471 52	8,550 79	563 50	15,585 81
Cambridge, . . .	5,309 29	7,015 14	462 30	12,786 73
Canton, . . .	276 78	365 70	24 10	666 58
Chelsea, . . .	1,226 55	1,620 63	106 80	2,953 98
Dedham, . . .	646 58	854 32	56 30	1,557 20
Dover, . . .	305 49	403 64	26 60	735 73
Everett, . . .	1,339 09	1,769 34	116 60	3,225 03
Hingham, . . .	390 47	515 93	34 00	940 40
Hull, . . .	338 79	447 65	29 50	815 94
Lynn, . . .	3,720 98	4,916 51	324 00	8,961 49
Malden, . . .	1,897 24	2,506 81	165 20	4,569 25
Medford, . . .	1,229 99	1,625 18	107 10	2,962 27
Melrose, . . .	819 99	1,083 45	71 40	1,974 84
Milton, . . .	1,515 96	2,003 02	132 00	3,650 98
Nahant, . . .	630 50	833 08	54 90	1,518 48
Needham, . . .	358 32	473 44	31 20	862 96
Newton, . . .	3,733 62	4,933 20	325 10	8,991 92
Quincy, . . .	1,522 85	2,012 13	132 60	3,667 58
Revere, . . .	852 15	1,125 94	74 20	2,052 29
Saugus, . . .	274 48	362 67	23 90	661 05
Somerville, . . .	3,045 69	4,024 26	265 20	7,335 15
Stoneham, . . .	228 54	301 97	19 90	550 41
Swampscott, . . .	732 71	968 13	63 80	1,764 64
Wakefield, . . .	481 20	635 81	41 90	1,158 91
Waltham, . . .	1,360 91	1,798 17	118 50	3,277 58
Watertown, . . .	839 52	1,109 25	73 10	2,021 87
Wellesley, . . .	830 33	1,097 11	72 30	1,999 74
Weston, . . .	475 46	628 22	41 40	1,145 08
Westwood, . . .	195 24	257 97	17 00	470 21
Weymouth, . . .	444 45	587 25	38 70	1,070 40
Winchester, . . .	737 31	974 20	64 20	1,775 71
Winthrop, . . .	717 78	948 40	62 50	1,728 68
Woburn, . . .	534 03	705 61	46 50	1,286 14
	\$114,845 13	\$151,744 23	\$10,000 00	\$276,589 36 ¹

¹ Exclusive of \$51,519.70, special assessments on Boston and Cambridge, and \$25,996.46, embankment interest on Boston, which are included on page 5.

Analysis of Charles River Basin Debt, July 1, 1917.

DEBT.	Total.	Cambridge, Charles River Bridge.	Boston, Charles River Bridge.	Boston Embank- ment.	District.
Gross debt, . . .	\$4,448,000 00	\$600,000 00	\$600,000 00	\$847,636 43	\$2,400,363 57
Sinking fund, . . .	904,023 43	105,359 10	105,359 10	202,617 27	490,687 96
Net debt, . . .	\$3,543,976 57	\$494,640 90	\$494,640 90	\$645,019 16	\$1,909,675 61

STATEMENT OF THE DEBTS OF THE METRO

		METROPOLITAN PARKS.		METROPOLITAN PARKS, NANTASKEET.		METROPOLITAN PARKS, BOULEVARDS.	
Bonds outstanding (sinking fund), .		\$8,785,000 00		\$700,000 00		\$2,567,500 00	
Bonds outstanding (serial), . . .		272,750 00		—		\$68,325 00	
Gross debt,		\$9,057,750 00		\$700,000 00		\$3,435,825 00	
Sinking funds, July 1, 1917, . . .		3,089,844 61		236,836 42		\$54,557 13	
Net debt,		\$5,967,905 39 5,945,905 39 ²		\$463,163 58		\$2,581,267 87 2,338,617 87 ²	
		Per Cent.		Per Cent.		Per Cent.	
1	Arlington,00647	\$38,569 65	.00644	\$2,982 77	.00647	\$16,131 12
2	Belmont,00384	22,891 42	.00382	1,769 28	.00384	9,573 96
3	Boston,60799	3,624,414 05	.60533	280,366 81	.60799	1,515,851 53
4	Braintree,00307	18,301 21	.00306	1,417 28	.00307	7,654 15
5	Brookline,05635	335,919 56	.05610	25,983 48	.05635	140,492 83
6	Cambridge,04623	275,591 15	.04603	21,319 42	.04623	115,261 46
7	Canton,00241	14,366 75	.00240	1,111 59	.00241	6,008 66
8	Chelsea,01068	63,666 74	.01063	4,923 43	.01068	26,627 57
9	Cohasset,	—	—	.00438	2,028 66	—	—
10	Dedham,00563	33,562 15	.00561	2,598 35	.00563	14,036 82
11	Dover,00266	15,857 08	.00265	1,227 38	.00266	6,631 96
12	Everett,01166	69,508 82	.01161	5,377 33	.01166	29,070 92
13	Hingham,00340	20,268 44	.00338	1,565 49	.00340	8,476 94
14	Hull,00295	17,585 55	.00294	1,361 70	.00295	7,354 99
15	Lexington,	—	—	—	—	—	—
16	Lynn,03240	193,146 29	.03226	14,941 66	.03240	80,780 26
17	Malden,01652	98,480 76	.01644	7,614 41	.01652	41,187 96
18	Medford,01071	63,845 58	.01067	4,941 96	.01071	26,702 36
19	Melrose,00714	42,563 72	.00710	3,288 46	.00714	17,801 58
20	Milton,01320	78,689 23	.01314	6,085 97	.01320	32,910 48
21	Nahant,00549	32,727 57	.00547	2,533 50	.00549	13,687 76
22	Needham,00312	18,599 27	.00311	1,440 44	.00312	7,778 84
23	Newton,03251	193,802 04	.03237	14,992 61	.03251	81,034 51
24	Quincy,01326	79,046 91	.01320	6,113 76	.01326	33,060 07
25	Reading,	—	—	—	—	—	—
26	Revere,00742	44,232 89	.00739	3,422 78	.00742	18,499 68
27	Saugus,00239	14,247 52	.00238	1,102 33	.00239	5,958 79
28	Somerville,02652	158,093 82	.02640	12,227 52	.02652	60,120 14
29	Stoneham,00199	11,863 00	.00198	917 06	.00199	4,961 50
30	Swampscott,00638	38,033 13	.00635	2,941 09	.00638	15,906 73
31	Wakefield,00419	24,977 87	.00417	1,931 39	.00419	10,446 58
32	Waltham,01185	70,641 47	.01180	5,465 33	.01185	29,544 03
33	Watertown,00731	43,577 14	.00728	3,371 83	.00731	18,225 42
34	Wellesley,00723	43,100 23	.00720	3,334 78	.00723	18,025 97
35	Weston,00414	24,079 80	.00412	1,908 23	.00414	10,321 92
36	Westwood,00170	10,134 22	.00170	787 38	.00170	4,238 47
37	Weymouth,00387	23,070 25	.00385	1,783 18	.00387	9,648 75
38	Winchester,00642	38,271 58	.00639	2,959 62	.00642	16,006 46
39	Winthrop,00625	37,258 16	.00622	2,880 88	.00625	15,582 61
40	Woburn,00465	27,720 07	.00463	2,144 44	.00465	11,593 46
		1.00000	\$5,961,305 30 ¹	1.00000	\$463,163 58	1.00000	\$2,403,217 87 ⁴

¹ See page 33 for details.² District proportion.

POLITAN DISTRICT (CHAPTER 526, ACTS OF 1911).

METROPOLITAN SEWERAGE, NORTH SYSTEM.		METROPOLITAN SEWERAGE, SOUTH SYSTEM.		METROPOLITAN WATER.		CHARLES RIVER BASIN.			
\$6,563,000 00		\$8,877,912 00		\$41,398,000 00		\$4,125,000 00			
\$60,500 00		385,000 00		1,250,000 00		323,000 00		TOTALS.	
\$7,423,500 00		\$9,262,912 00		\$42,648,000 00		\$4,448,000 00			
2,323,137 99		1,351,297 52		13,529,421 92		904,023 43			
\$5,100,362 01		\$7,911,614 48		\$29,118,578 08		\$3,543,976 57 ¹			
5,047,862 01 ²						1,909,675 61 ²			
Per Cent.		Per Cent.		Per Cent.		Per Cent.			
.0314	\$160,151 37	-	-	.008900	\$259,155 34	.00647	\$22,929 53	\$499,919 78	1
.0216	110,167 82	-	-	.004823	140,438 90	.00384	13,608 87	298,450 25	2
.1429	728,841 73	.4217	\$3,336,327 83	.758998	22,100,942 53	.60799	2,154,702 32	33,741,446 80	3
-	-	-	-	-	-	.00307	10,880 01	38,252 68	4
-	-	.2248	1,778,530 94	-	-	.05635	199,703 08	2,480,629 89	5
.2300	1,173,083 26	-	-	-	-	.04623	163,838 04	1,749,093 33	6
-	-	-	-	-	-	.00241	8,540 98	30,027 98	7
.0515	262,668 64	-	-	.024182	704,145 46	.01068	37,849 67	1,099,881 51	8
-	-	-	-	-	-	-	-	2,028 66	9
-	-	.0215	170,099 71	-	-	.00563	19,952 59	240,249 62	10
-	-	-	-	-	-	.00266	9,426 98	33,143 40	11
.0548	279,499 84	-	-	.023448	682,772 42	.01166	41,322 77	1,107,552 10	12
-	-	-	-	-	-	.00340	12,049 52	42,360 39	13
-	-	-	-	-	-	.00295	10,454 73	36,757 27	14
.0119	60,694 31	-	-	.004054	118,046 72	-	-	178,741 03	15
-	-	-	-	-	-	.03240	114,824 84	403,693 05	16
.0750	382,527 15	-	-	.022370	651,382 59	.01652	58,546 49	1,239,739 36	17
.0525	267,769 01	-	-	.014585	424,694 46	.01071	37,955 99	825,909 36	18
.0334	170,352 09	-	-	.008160	237,607 60	.00714	25,303 99	496,917 44	19
-	-	.0484	382,922 14	.007921	230,648 26	.01320	46,780 49	778,036 57	20
-	-	-	-	.002400	69,884 59	.00549	19,456 43	138,289 85	21
-	-	-	-	-	-	.00312	11,057 21	38,875 76	22
-	-	.1246	985,787 16	.002826	82,289 10	.03251	115,214 68	1,473,140 10	23
-	-	.0584	462,038 29	.025578	744,794 99	.01326	46,993 13	1,372,047 15	24
.0139	70,895 03	-	-	-	-	-	-	70,895 03	25
.0376	191,773 61	-	-	.013728	399,739 84	.00742	26,296 31	683,965 11	26
-	-	-	-	-	-	.00239	8,470 10	29,778 74	27
.1277	651,316 23	-	-	.051304	1,493,899 53	.02652	93,986 26	2,475,643 50	28
.0101	51,513 66	-	-	.003732	108,670 53	.00199	7,052 51	184,978 26	29
-	-	-	-	.005398	157,182 08	.00638	22,610 57	236,673 60	30
.0210	107,107 60	-	-	-	-	.00419	14,849 26	159,312 70	31
-	-	.0428	338,617 10	-	-	.01185	41,996 12	486,264 65	32
-	-	.0298	235,766 11	.010417	303,328 23	.00731	25,906 47	630,175 20	33
-	-	.0280	221,525 20	-	-	.00723	25,622 95	311,609 13	34
-	-	-	-	-	-	.00414	14,672 06	51,582 01	35
-	-	-	-	-	-	.00170	6,024 76	21,184 83	36
-	-	-	-	-	-	.00387	13,715 19	48,217 37	37
.0321	163,721 62	-	-	-	-	.00642	22,752 33	243,711 61	38
.0275	140,259 96	-	-	.007176	208,954 91	.00625	22,149 85	427,086 37	39
.0251	128,019 08	-	-	-	-	.00465	16,479 49	185,956 54	40
1.0000	\$5,100,362 01	1.0000	\$7,911,614 48	1.000000	\$29,118,578 08	1.00000	\$3,543,976 57	\$54,592,217 98	

³ Exclusive of \$6,600, share of county of Middlesex.⁴ Exclusive of \$88,050, share of certain counties and street railways.

SINKING FUND TABLES.

One dollar put in each year, with interest at the rate of 4 per cent. per annum, compounded semiannually, amounts to the following in from 1 to 36 years, both inclusive:—

To find what amount must be put in each year to sink a given sum at maturity, divide the sum to be sunk by the figures which stand against the number of years and the result will be the amount necessary.

For instance, to find the amount necessary each year, to sink three hundred thousand dollars (\$300,000) in thirty years, divide \$300,000 by 58.74218829.

\$1 for 1 year	=	1.04040000	\$1 each year for 19 years	=	28.90197165
\$1 in 2 years	=	1.08243216	\$1 in 20 years	=	2.20803964
\$1 each year for 2 years	=	2.12283216	\$1 each year for 20 years	=	31.11001129
\$1 in 3 years	=	1.12616241	\$1 in 21 years	=	2.29724444
\$1 each year for 3 years	=	3.24899457	\$1 each year for 21 years	=	33.40725573
\$1 in 4 years	=	1.17165938	\$1 in 22 years	=	2.39005311
\$1 each year for 4 years	=	4.42065395	\$1 each year for 22 years	=	35.79730884
\$1 in 5 years	=	1.21899441	\$1 in 23 years	=	2.48661126
\$1 each year for 5 years	=	5.63964836	\$1 each year for 23 years	=	38.28392010
\$1 in 6 years	=	1.26824179	\$1 in 24 years	=	2.58707035
\$1 each year for 6 years	=	6.90789015	\$1 each year for 24 years	=	40.57099045
\$1 in 7 years	=	1.31947875	\$1 in 25 years	=	2.69158799
\$1 each year for 7 years	=	8.22736890	\$1 each year for 25 years	=	43.56257844
\$1 in 8 years	=	1.37278570	\$1 in 26 years	=	2.80032815
\$1 each year for 8 years	=	9.60015460	\$1 each year for 26 years	=	46.36290659
\$1 in 9 years	=	1.42824624	\$1 in 27 years	=	2.91346140
\$1 each year for 9 years	=	11.02840084	\$1 each year for 27 years	=	49.27636799
\$1 in 10 years	=	1.48594738	\$1 in 28 years	=	3.03116524
\$1 each year for 10 years	=	12.51434822	\$1 each year for 28 years	=	52.30753323
\$1 in 11 years	=	1.54597966	\$1 in 29 years	=	3.15362432
\$1 each year for 11 years	=	14.06032788	\$1 each year for 29 years	=	55.46115755
\$1 in 12 years	=	1.60843724	\$1 in 30 years	=	3.28103074
\$1 each year for 12 years	=	15.66876512	\$1 each year for 30 years	=	58.74218829
\$1 in 13 years	=	1.67341810	\$1 in 31 years	=	3.41358438
\$1 each year for 13 years	=	17.34218322	\$1 each year for 31 years	=	62.15577267
\$1 in 14 years	=	1.74102419	\$1 in 32 years	=	3.55149318
\$1 each year for 14 years	=	19.08320741	\$1 each year for 32 years	=	65.70726585
\$1 in 15 years	=	1.81136157	\$1 in 33 years	=	3.69497330
\$1 each year for 15 years	=	20.89456898	\$1 each year for 33 years	=	69.40223935
\$1 in 16 years	=	1.88454057	\$1 in 34 years	=	3.84425042
\$1 each year for 16 years	=	22.77910955	\$1 each year for 34 years	=	73.24648977
\$1 in 17 years	=	1.96067601	\$1 in 35 years	=	3.99955813
\$1 each year for 17 years	=	24.73978556	\$1 each year for 35 years	=	77.24604790
\$1 in 18 years	=	2.03988732	\$1 in 36 years	=	4.16114027
\$1 each year for 18 years	=	26.77967288	\$1 each year for 36 years	=	81.40718817
\$1 in 19 years	=	2.12229877			
\$1 each year for 19 years	=	28.90197165			

One dollar put in each year, with interest at the rate of $3\frac{3}{4}$ per cent. per annum, compounded semiannually, amounts to the following in from 1 to 35 years, both inclusive: —

\$1 for 1 year	=	1.03785156	\$1 each year for 18 years	=	26.09727843
\$1 in 2 years	=	1.07713586	\$1 in 19 years	=	2.02567431
\$1 each year for 2 years	=	2.11498742	\$1 each year for 19 years	=	28.12295274
\$1 in 3 years	=	1.11790713	\$1 in 20 years	=	2.10234924
\$1 each year for 3 years	=	3.23289455	\$1 each year for 20 years	=	30.22530198
\$1 in 4 years	=	1.16022167	\$1 in 21 years	=	2.18192645
\$1 each year for 4 years	=	4.39311622	\$1 each year for 21 years	=	32.40722843
\$1 in 5 years	=	1.20413787	\$1 in 22 years	=	2.26451577
\$1 each year for 5 years	=	5.59725409	\$1 each year for 22 years	=	34.67174420
\$1 in 6 years	=	1.24971637	\$1 in 23 years	=	2.35023123
\$1 each year for 6 years	=	6.84697046	\$1 each year for 23 years	=	37.02197543
\$1 in 7 years	=	1.29702008	\$1 in 24 years	=	2.43919115
\$1 each year for 7 years	=	8.14399054	\$1 each year for 24 years	=	39.46116658
\$1 in 8 years	=	1.34611432	\$1 in 25 years	=	2.53151835
\$1 each year for 8 years	=	9.49010486	\$1 each year for 25 years	=	41.99268493
\$1 in 9 years	=	1.39706685	\$1 in 26 years	=	2.62734027
\$1 each year for 9 years	=	10.88717171	\$1 each year for 26 years	=	44.62002520
\$1 in 10 years	=	1.44994801	\$1 in 27 years	=	2.72678921
\$1 each year for 10 years	=	12.33711972	\$1 each year for 27 years	=	47.34681441
\$1 in 11 years	=	1.50483081	\$1 in 28 years	=	2.83000244
\$1 each year for 11 years	=	13.84195053	\$1 each year for 28 years	=	50.17681685
\$1 in 12 years	=	1.56179100	\$1 in 29 years	=	2.93712245
\$1 each year for 12 years	=	15.40374153	\$1 each year for 29 years	=	53.11393930
\$1 in 13 years	=	1.62090723	\$1 in 30 years	=	3.04829712
\$1 each year for 13 years	=	17.02464876	\$1 each year for 30 years	=	56.16223642
\$1 in 14 years	=	1.68226110	\$1 in 31 years	=	3.16367992
\$1 each year for 14 years	=	18.70690986	\$1 each year for 31 years	=	59.32591634
\$1 in 15 years	=	1.74593731	\$1 in 32 years	=	3.28343013
\$1 each year for 15 years	=	20.45284717	\$1 each year for 32 years	=	62.60934647
\$1 in 16 years	=	1.81202377	\$1 in 33 years	=	3.40771308
\$1 each year for 16 years	=	22.26487094	\$1 each year for 33 years	=	66.01705955
\$1 in 17 years	=	1.88061170	\$1 in 34 years	=	3.53670034
\$1 each year for 17 years	=	24.14548264	\$1 each year for 34 years	=	69.55375989
\$1 in 18 years	=	1.95179579	\$1 in 35 years	=	3.67056997
\$1 each year for 18 years	=	26.09727843	\$1 each year for 35 years	=	73.22432986

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